

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/925,179

DATE: 08/21/2001

TIME: 11:53:57

Input Set : A:\P0718P2C1D1C1US.txt

Output Set: N:\CRF3\08162001\I925179.raw

ENTERED

ENTERED

3 <110> APPLICANT: Jardieu, Paula M.  
 4 Presta, Leonard G.  
 6 <120> TITLE OF INVENTION: Anti-IgE Antibodies (as amended)  
 8 <130> FILE REFERENCE: P0718P2C1D1C1US  
 10 <140> CURRENT APPLICATION NUMBER: US/09/925,179  
 10 <141> CURRENT FILING DATE: 2001-08-08  
 12 <150> PRIOR APPLICATION NUMBER: US 08/466,163  
 13 <151> PRIOR FILING DATE: 1995-06-06  
 15 <150> PRIOR APPLICATION NUMBER: US 08/405,617  
 16 <151> PRIOR FILING DATE: 1995-03-15  
 18 <150> PRIOR APPLICATION NUMBER: US 08/185,899  
 19 <151> PRIOR FILING DATE: 1994-01-26  
 21 <150> PRIOR APPLICATION NUMBER: PCT/US92/06860  
 22 <151> PRIOR FILING DATE: 1992-08-14  
 24 <150> PRIOR APPLICATION NUMBER: US 07/879,495  
 25 <151> PRIOR FILING DATE: 1992-05-07  
 27 <150> PRIOR APPLICATION NUMBER: US 07/744,768  
 28 <151> PRIOR FILING DATE: 1991-08-14  
 30 <160> NUMBER OF SEQ ID NOS: 68  
 32 <210> SEQ ID NO: 1  
 33 <211> LENGTH: 109  
 34 <212> TYPE: PRT  
 35 <213> ORGANISM: Homo sapiens  
 37 <400> SEQUENCE: 1  
 38 Asp Ser Asn Pro Arg Gly Val Ser Ala Tyr Leu Ser Arg Pro Ser  
 39 1 5 10 15  
 41 Pro Phe Asp Leu Phe Ile Arg Lys Ser Pro Thr Ile Thr Cys Leu  
 42 20 25 30  
 44 Val Val Asp Leu Ala Pro Ser Lys Gly Thr Val Asn Leu Thr Trp  
 45 35 40 45  
 47 Ser Arg Ala Ser Gly Lys Pro Val Asn His Ser Thr Arg Lys Glu  
 48 50 55 60  
 50 Glu Lys Gln Arg Asn Gly Thr Leu Thr Val Thr Ser Thr Leu Pro  
 51 65 70 75  
 53 Val Gly Thr Arg Asp Trp Ile Glu Gly Glu Thr Gln Cys Arg Val  
 54 80 85 90  
 56 Thr His Pro His Leu Pro Arg Ala Leu Met Arg Ser Thr Thr Lys  
 57 95 100 105  
 59 Thr Ser Gly Pro  
 62 <210> SEQ ID NO: 2  
 63 <211> LENGTH: 111  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: Mus musculus  
 67 <400> SEQUENCE: 2  
 68 Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu  
 69 1 5 10 15  
 71 Gly Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp

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72          20          25          30
74 Tyr Asp Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly
75          35          40          45
77 Gln Pro Pro Ile Leu Leu Ile Tyr Ala Ala Ser Tyr Leu Gly Ser
78          50          55          60
80 Glu Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
81          65          70          75
83 Thr Leu Asn Ile His Pro Val Glu Glu Glu Asp Ala Ala Thr Phe
84          80          85          90
86 Tyr Cys Gln Gln Ser His Glu Asp Pro Tyr Thr Phe Gly Ala Gly
87          95         100         105
89 Thr Lys Leu Glu Ile Lys
90          110
92 <210> SEQ ID NO: 3
93 <211> LENGTH: 134
94 <212> TYPE: PRT
95 <213> ORGANISM: Mus musculus
97 <400> SEQUENCE: 3
98 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser
99   1          5          10          15
101 Gln Ser Leu Ser Leu Ala Cys Ser Val Thr Gly Tyr Ser Ile Thr
102          20          25          30
104 Ser Gly Tyr Ser Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys
105          35          40          45
107 Leu Glu Trp Met Gly Ser Ile Thr Tyr Asp Gly Ser Ser Asn Tyr
108          50          55          60
110 Asn Pro Ser Leu Lys Asn Arg Ile Ser Val Thr Arg Asp Thr Ser
111          65          70          75
113 Gln Asn Gln Phe Phe Leu Lys Leu Asn Ser Ala Thr Ala Glu Asp
114          80          85          90
116 Thr Ala Thr Tyr Tyr Cys Ala Arg Gly Ser His Tyr Phe Gly His
117          95         100         105
119 Trp His Phe Ala Val Trp Gly Ala Gly Thr Thr Val Thr Val Ser
120         110         115         120
122 Ser Ala Lys Thr Thr Pro Pro Ser Val Tyr Pro Leu Ala Arg
123         125         130
125 <210> SEQ ID NO: 4
126 <211> LENGTH: 124
127 <212> TYPE: PRT
128 <213> ORGANISM: Mus musculus
130 <400> SEQUENCE: 4
131 Asp Ile Val Met Thr Gln Ser Gln Lys Phe Met Ser Thr Ser Val
132   1          5          10          15
134 Gly Asp Arg Val Ser Val Thr Cys Lys Ala Ser Gln Asn Val Ser
135          20          25          30
137 Ser Asn Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys
138          35          40          45
140 Ala Leu Ile Tyr Ser Ala Ser Tyr Arg Tyr Ser Gly Val Pro Asp
141          50          55          60

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143 Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
144                               65                               70                               75
146 Ser Asn Val Gln Ser Glu Asp Leu Ala Glu Tyr Phe Cys Gln Gln
147                               80                               85                               90
149 Tyr Tyr Thr Tyr Pro Leu Tyr Thr Phe Gly Gly Gly Thr Lys Leu
150                               95                               100                              105
152 Glu Ile Lys Arg Ala Asp Ala Ala Pro Thr Val Ser Ile Phe Pro
153                               110                              115                              120
155 Pro Ser Thr Arg
158 <210> SEQ ID NO: 5
159 <211> LENGTH: 130
160 <212> TYPE: PRT
161 <213> ORGANISM: Mus musculus
163 <400> SEQUENCE: 5
164 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser
165   1                               5                               10                               15
167 Gln Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Thr Ile Thr
168                               20                               25                               30
170 Ser Asp Asn Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys
171                               35                               40                               45
173 Leu Glu Trp Met Gly Tyr Ile Asn His Ser Gly Thr Thr Ser Tyr
174                               50                               55                               60
176 Asn Pro Ser Leu Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser
177                               65                               70                               75
179 Lys Asn Gln Phe Phe Leu Gln Leu Asn Ser Val Thr Thr Glu Asp
180                               80                               85                               90
182 Thr Ala Thr Tyr Tyr Cys Ala Trp Val Val Ala Tyr Ala Met Asp
183                               95                               100                              105
185 Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Ala Lys Thr
186                               110                              115                              120
188 Thr Pro Pro Ser Val Tyr Pro Leu Ala Arg
189                               125                              130
191 <210> SEQ ID NO: 6
192 <211> LENGTH: 106
193 <212> TYPE: PRT
194 <213> ORGANISM: Mus musculus
196 <400> SEQUENCE: 6
197 Asp Ile Gln Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu
198   1                               5                               10                               15
200 Gly Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp
201                               20                               25                               30
203 Tyr Asp Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro Gly
204                               35                               40                               45
206 Gln Pro Pro Lys Leu Leu Ile Tyr Ala Ala Ser Asn Leu Glu Ser
207                               50                               55                               60
209 Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
210                               65                               70                               75
212 Thr Leu Asn Ile His Pro Val Glu Glu Glu Asp Ala Ala Thr Tyr
213                               80                               85                               90

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215 Tyr Cys Gln Gln Ser Asn Glu Asp Pro Phe Thr Phe Gly Ala Gly
216           95           100           105
218 Thr
221 <210> SEQ ID NO: 7
222 <211> LENGTH: 137
223 <212> TYPE: PRT
224 <213> ORGANISM: Mus musculus
226 <400> SEQUENCE: 7
227 Asp Val Gln His Gln Glu Ser Glu Pro Asp Leu Val Lys Pro Ser
228 1           5           10           15
230 Gln Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr
231           20           25           30
233 Ser Gly Tyr Asn Arg His Trp Ile Arg Gln Phe Pro Gly Asn Lys
234           35           40           45
236 Leu Glu Trp Met Gly Tyr Ile His Tyr Ser Gly Ser Thr Asn Tyr
237           50           55           60
239 Asn Pro Ser Leu Lys Arg Arg Ile Ser Ile Thr Arg Asp Thr Ser
240           65           70           75
242 Lys Asn Gln Phe Phe Leu Gln Leu Asn Ser Val Thr Thr Glu Asp
243           80           85           90
245 Thr Ala Thr Tyr Tyr Cys Ala Arg Gly Ser Ile Tyr Tyr Tyr Gly
246           95          100          105
248 Ser Arg Tyr Arg Tyr Phe Asp Val Trp Gly Ala Gly Thr Thr Val
249          110          115          120
251 Thr Val Ser Ser Ala Lys Arg His Pro His Leu Ser Ile His Trp
252          125          130          135
254 Pro Gly
257 <210> SEQ ID NO: 8
258 <211> LENGTH: 453
259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial sequence ✓
262 <220> FEATURE:
263 <223> OTHER INFORMATION: humanized maell, version 1 heavy chain ✓
265 <400> SEQUENCE: 8
266 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
267 1           5           10           15
269 Gly Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Tyr Ser Ile Thr
270           20           25           30
272 Ser Gly Tyr Ser Trp Asn Trp Ile Arg Gln Ala Pro Gly Lys Gly
273           35           40           45
275 Leu Glu Trp Val Ala Ser Ile Thr Tyr Asp Gly Ser Thr Asn Tyr
276           50           55           60
278 Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser
279           65           70           75
281 Lys Asn Thr Phe Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
282           80           85           90
284 Thr Ala Val Tyr Tyr Cys Ala Arg Gly Ser His Tyr Phe Gly His
285           95          100          105
287 Trp His Phe Ala Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser

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288		110		115		120
290	Ser Ala Ser Thr Lys Gly Lys Gly Pro Ser Val Phe Pro Leu Ala					
291		125		130		135
293	Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys					
294		140		145		150
296	Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn					
297		155		160		165
299	Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu					
300		170		175		180
302	Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro					
303		185		190		195
305	Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His					
306		200		205		210
308	Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser					
309		215		220		225
311	Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu					
312		230		235		240
314	Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp					
315		245		250		255
317	Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val					
318		260		265		270
320	Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val					
321		275		280		285
323	Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu					
324		290		295		300
326	Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu					
327		305		310		315
329	His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser					
330		320		325		330
332	Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala					
333		335		340		345
335	Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser					
336		350		355		360
338	Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val					
339		365		370		375
341	Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn					
342		380		385		390
344	Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp					
345		395		400		405
347	Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys					
348		410		415		420
350	Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His					
351		425		430		435
353	Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser					
354		440		445		450
356	Pro Gly Lys					
359	<210> SEQ ID NO: 9					
360	<211> LENGTH: 218					
361	<212> TYPE: PRT					

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/925,179

DATE: 08/21/2001

TIME: 11:53:58

Input Set : A:\P0718P2C1D1C1US.txt

Output Set: N:\CRF3\08162001\I925179.raw

L:10 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.